



# Rexnord 395 Series MatTop Chain

FOR CONTAINER AND UNIT SOFT HANDLING



Rexnord continuously develops solution-oriented, innovative conveyor products and components to meet the increasing performance demands of high-speed and mass-flow conveyors in the beverage and food industries. Our Rexnord® 390 Series MatTop® Chain provides an optimized design for tight transfer conveyors (“knife edge”).

## INDUSTRY-LEADING CHAIN PERFORMANCE

The Rexnord 395 MatTop Chain is designed to offer highest reliability and durability in the most critical applications. This is achieved by a combination of high load capacity, high stiffness and optimal chain-sprocket engagement, even when there is low back tension.

### Chain-sprocket engagement:

- Runs on positive drive sprockets including round shaft bores
- Fixed sprocket positions ensure optimal engagement and reduce installation time
- The chain and sprocket tooth design ensures an optimal chain-sprocket engagement

This prevents the chain from jumping on the teeth when light or heavy load is applied in case of high or low tension of the chain around the sprocket.



Rexnord 395 Series MatTop Chain (top view)



Optimized chain-sprocket engagement

### Key Industries:

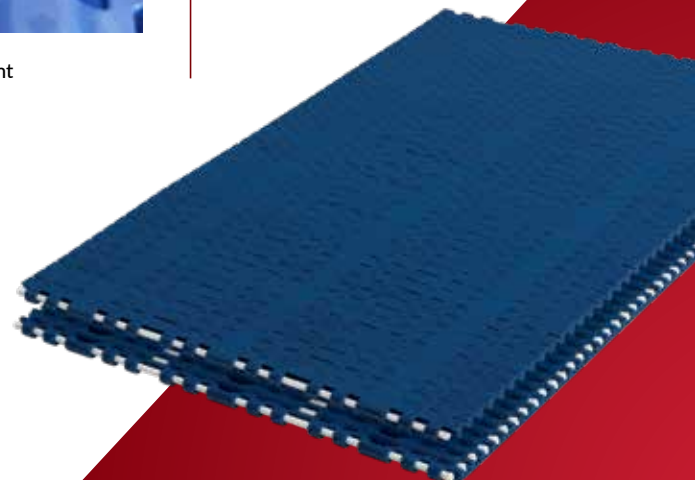
- Food
- Beverage
- Pharmaceutical
- Metal Container Manufacturing

### Key Applications:

- Tight transfer conveyors (“knife edge”)
- Small product handling where stability of container or delicate nature of product is critical to operation
- Transitions or transfers between two mass flow conveyor sections including 90-degree transfers
- Package and case transfers into and out of packers, turns and spiral conveyors

### General Specifications:

- Class-leading strength of 500 lbs/ft (7300 N/m)
- Imperial width steps of 2 inches (50.8 mm) and metric width steps of 3.3 inches (85 mm)
- Suitable for speeds up to 164 ft/min (50 m/min)
- Easy but reliable pin retention system
- High stiffness
- Materials approved for direct food contact



**GENERAL INFORMATION:**

- The Rexnord 395 MatTop Chain is offered in flat top surface execution
- Nominal standard widths on the Rexnord 395 MatTop Chain are 6 inches (152.4 mm)
- All materials above are FDA approved
- Chain Pitch 0.315 in (8,0 mm)

**Rexnord 395 Series MatTop Chain assembled-to-width**

Prefix	Chain Material	Standard Pin Material	Temperature						Chain Strength		Approximate Weight	
			Fahrenheit			Celsius						
			min	max		min	max		lbs/ft	N/m	lbs/ft <sup>2</sup>	Kg/m <sup>2</sup>
				dry	wet		dry	wet				
XLG	Internally lubricated, extra low friction acetal for improved wear life and high strength. Color: green-blue	PBT	-40	+180	+150	-40	+80	+65	500	7300	1.16	5.7
HP™	High Performance internally lubricated acetal (POM), for reduced wear up to 40% over plain acetal; intended for dry running or reduced lubrication and high-speed applications. Color: grey	PBT	-40	+180	+150	-40	+80	+65	500	7300	1.16	5.7
SMB	Special low friction acetal for high pressure and various speed applications. Color: blue	PBT	-40	+180	+150	-40	+80	+65	500	7300	1.16	5.7
WSM	Special low friction acetal for high pressure and various speed applications. Color: white	PBT	-40	+180	+150	-40	+80	+65	500	7300	1.16	5.7

**High strength (500 lbs/ft 7300N):**

Longer conveyor with single drive unit and better load distribution allows for less drive motors and increased chain life

**High stiffness:**

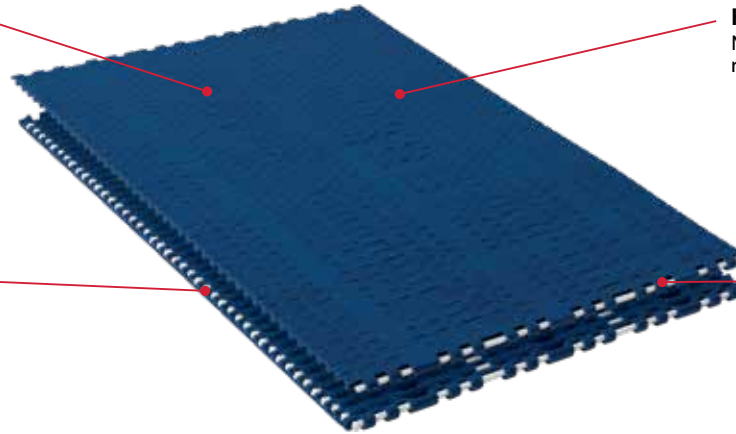
Mitigates risk of slip-stick and reduces required back tension

**Optimized sprocket engagement:**

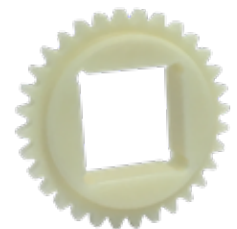
Reduces back tension required to keep the chain-sprocket engaged

**Smooth operation over 0.23-inch (6mm) diameter nosebar:**

Can go around a nose bar diameter of 0.23-inch (6 mm) for tight transfers



Number of Teeth	Pitch Diameter		Outside Diameter		Bore Diameter							
					Round				Square			
	in	mm	in	mm	in		mm		in		mm	
					min	max	min	max	min	max	min	max
KU 390 Series Sprocket												
24	2.4	61	2.4	63	3/4	1	20	30	1	1	25	30
32	3.2	83	3.2	83	3/4	1.5	20	30	1	1.5	25	40
36	3.6	92	3.6	93	3/4	1.5	20	40	1	1.5	25	40



Rexnord KU390-32T 40MM S PA

\* Specific bore sizes may be non-standard in some regions